

REMARKS

Claims 1-70 are pending. By this Amendment, claims 1, 14, 18, 19, and 63 are amended, claim 70 is added, paragraphs [0036], [0055] and [0061] are revised, and FIG. 14 is replaced. No new matter is added.

Support for the amendments to claims 1 and 63 is found, at least in, paragraphs [0050] and FIG. 5 of the Disclosure. Support for the amendments to claims 14, 18, and 19 is found, at least in, paragraphs [0046], and [0050] of the Disclosure. Support for the amendments to paragraph [0055] is found in FIG. 8. Paragraphs [0036] and [0061], and FIG. 14 are revised to correct obvious errors.

Applicants thank the Examiner for the indication on page 18, item 9 that claims 44-46 are allowable, though the status of claim 44 is unclear due to reference in other parts of the Office Action that claim 44 is rejected under 35 U.S.C. §101. It is assumed that claim 44 is not rejected over the applied references.

Applicants thank the Examiner for the indication on page 18, item 11 that claims 47-54 are allowed.

For the following reasons, reconsideration is respectfully requested.

DRAWING OBJECTIONS:

On page 2, items 1 and 2 of the Office Action, the drawings are objected to for containing reference characters that are used to designate different elements. FIG. 14 is replaced whereby reference character 81 is replaced with reference character 73, and reference character 82 is replaced with reference character 74. Withdrawal of the objection is respectfully requested.

On page 2, item 3 of the Office Action, the drawings are objected to for containing reference characters that are not mentioned in the Description. Paragraph [0055] is amended to provide description for the reference characters depicted in FIG. 8. Withdrawal of the objection is respectfully requested.

REJECTION UNDER 35 U.S.C. §101:

On page 3, item 4 of the Office Action, claims 1-22, 44, and 63-69 are rejected under 35 U.S.C. §101 as being directed to non-statutory matter. While it is believed that the claims were previously compliant under 35 U.S.C. §101 as would have been understood by one of ordinary skill in the art, claims 1, 14, 18, 19, and 63 are amended to obviate the rejection to clarify that the medium is an encoded medium and not a program listing. Withdrawal of the rejection is respectfully requested.

REJECTION UNDER 35 U.S.C. §102:

On page 3, item 6 of the Office Action, claims 1-43, 55-59, 62, and 63-67 are rejected under 35 U.S.C. §102(e) as being anticipated by Yoon et al. (U.S. Patent Application Publication No. 2004/0146281). The rejection is respectfully traversed.

It is respectfully noted that the subject matter of this application was invented prior to the January 29, 2003 effective U.S. filing date of Yoon (through Yoon's U.S. Provisional Application No. 60/443,292). Specifically, the subject matter of this application was invented at least on December 11, 2003 as noted in the attached DECLARATION UNDER RULE 131(a) and supporting papers. Accordingly, Yoon is not a prior art reference.

Accordingly, claims 1, 14, 18, 19, 23, 32, 33, 36, 55, and 63 are Patentable. Claims 2-13, which depend from claim 1, claims 15-17, which depend from claim 14, claims 20-22, which depend from claim 19, claims 24-31, which depend from claim 23, claims 34 and 35, which depend from claim 32, claims 37-43, which depend from claim 36, claims 56-59 and 62, which depend from claim 55, and claims 64-67, which depend from claim 63, are likewise patentable for at least the reasons discussed above, and for the additional features they recite. Withdrawal of the rejection is respectfully requested.

REJECTION UNDER 35 U.S.C. §103:

On page 17, item 8 of the Office Action, claims 60, 61, 68, and 69 are rejected under 35 U.S.C. §103(a) as being unpatentable over Yoon, as applied to claim 55, and further in view of Kim et al. (U.S. Patent Application Publication No. 2004/0184766). The rejection is respectfully traversed.

As discussed above, Yoon is not a prior art reference. Further, as the subject matter of this application was invented at least on December 11, 2003, as noted above, which is prior to the September 25, 2005 U.S. filing date of Kim, Kim is also not a prior art reference. Accordingly, claims 60, 61, 68, and 69 are patentable for at least their dependence from their respective independent claims, and for their added features. Withdrawal of the rejection is respectfully requested.

ALLOWABLE SUBJECT MATTER:

On page 18, item 9 of the Office Action, claims 44-46 are indicated as allowable, though the status of claim 44 is unclear due to reference in other parts of the Office Action that claim 44 is rejected under 35 U.S.C. §101. It is assumed that claim 44 is not rejected over the applied references.

Also, on page 18, item 11, of the Office Action, claims 47-54 are indicated as allowed.

NEW CLAIM:

New claim 70 is patentable for at least its dependence from claim 23, and for its added features. Consideration and allowance are respectfully requested.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

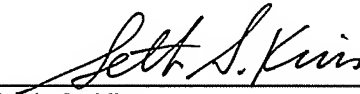
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If necessary, a Petition for Extensions of Time is hereby made. If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

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Date: 11/13/2007

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